

7/19/3

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OIL SEAL FOR ROTARY SHAFT

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ABSTRACT

PROBLEM TO BE SOLVED: To prevent deteriorating of the main **lip** of oil seal used for a rotary **shaft**, such that only the lower end in the **radial** direction from the center of the **shaft**, is dipped into oil.

SOLUTION: An oil-guiding segment for preventing oil scatter is formed integrating with the oil seal in order to make an annular groove for oil collection, together with an oil **face** portion of the main **lip**, on the oil room side of the main **lip** top above of the oil seal. The oil guiding segment for preventing oil splash is set being out of contact with the rotary **shaft**, and the diametrical section forming a gradual arc, as it approaches the oil room with the diameter reduced gradually, which results in the annular groove for oil collection.

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